



**Atmospheric Infrared Sounder Science Team Meeting**  
**April 17-18, 2017**  
**Beckman Institute Auditorium, Caltech**  
**Pasadena, California**

**Topic: Which science questions are essential to address with the 40-year record of IR sounder observations that are currently available and planned for the future?**

**Monday, April 17, 2017**

<b>Registration and A.M. Light Refreshments</b>			<b>8:00 AM</b>
Joao Teixeira	NASA JPL	Introduction	8:30 AM
Larrabee Strow	UMBC	Long Term Science Questions for Hyperspectral Sounders: New Practical (?) Approaches	9:00 AM
Norman Loeb	NASA LARC	Tracking Changes in Earth's Energy Budget: The Need for Multiple Independent Observations	9:45 AM
<b>Break</b>			<b>10:30 AM</b>
Eric Fetzer	NASA JPL	Discussion: Atmospheric Physics	11:00 AM
<b>Lunch</b>			<b>12:30 PM</b>
Jack Kaye	NASA HQ	NASA HQ Perspective	1:30 PM
Graeme Stephens	NASA JPL	Atmospheric sounding and profiling: a look ahead	1:45 PM
Nathaniel Livesey/ Michelle Santee	NASA JPL	Capitalizing on a multi-decadal record of atmospheric composition observations from the upper troposphere to the mesosphere	2:30 PM
<b>Break/P.M. Light Refreshments</b>			<b>3:15 PM</b>
Vivienne Payne	NASA JPL	The value of long-term composition records for chemistry, air quality and climate research	3:45 PM
Jessica Neu	NASA JPL	Discussion: Atmospheric Composition	4:30 PM
<b>Adjourn</b>			<b>6:00 PM</b>
<b>AIRS 15th Anniversary Celebration Dinner</b>		<b>Location TBD</b>	<b>7:00 PM</b>

**Tuesday, April 18, 2017**

<b>A.M. Light Refreshments</b>			<b>8:00 AM</b>
Xianglei Huang	University of Michigan	The spectral dimension of climate studies: trend detection, model evaluation, and feedback analysis	8:30 AM
Brian Soden	University of Miami	Water Vapor Trends	9:15 AM
<b>10:00 Break</b>			<b>10:00 AM</b>
Eric Fetzer/Jessica Neu	NASA JPL	Atmospheric Physics and Composition Summary	10:30 AM
Joao Teixeira	NASA JPL	Plenary Discussion	11:30 AM
<b>Adjourn</b>			<b>12:30 PM</b>